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AP1G1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13344

Specification

AP1G1 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	O43747
Other Accession	NM_001128, NP_001119
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**91kDa KDa**

AP1G1 antibody - C-terminal region - Additional Information

Gene ID 164

Alias Symbol **ADTG, CLAPG1, MGC18255**

Other Names
AP-1 complex subunit gamma-1, Adaptor protein complex AP-1 subunit gamma-1, Adaptor-related protein complex 1 subunit gamma-1, Clathrin assembly protein complex 1 gamma-1 large chain, Gamma1-adaptin, Golgi adaptor HA1/AP1 adaptin subunit gamma-1, AP1G1, ADTG, CLAPG1

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-AP1G1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
AP1G1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

AP1G1 antibody - C-terminal region - Protein Information

Name AP1G1

Synonyms ADTG, CLAPG1

Function
Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic

tails of transmembrane cargo molecules. In association with AFTPH/aftiphilin in the aftiphilin/p200/gamma-synergin complex, involved in the trafficking of transferrin from early to recycling endosomes, and the membrane trafficking of furin and the lysosomal enzyme cathepsin D between the trans-Golgi network (TGN) and endosomes (PubMed:15758025).

Cellular Location
Golgi apparatus. Cytoplasmic vesicle, clathrin-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm Cytoplasm, perinuclear region. Cytoplasmic vesicle, clathrin-coated vesicle. Membrane, clathrin-coated pit. Note=Component of the coat surrounding the cytoplasmic face of coated vesicles located at the Golgi complex (PubMed:12773381). Co-localizes with AFTPH/aftiphilin in the cytoplasm (PubMed:15758025).

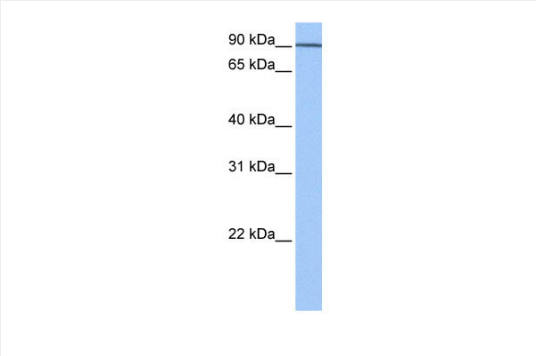
Tissue Location
Widely expressed.

AP1G1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AP1G1 antibody - C-terminal region - Images



WB Suggested Anti-AP1G1 Antibody Titration: 0.2-1 µg/ml
Positive Control: Human brain

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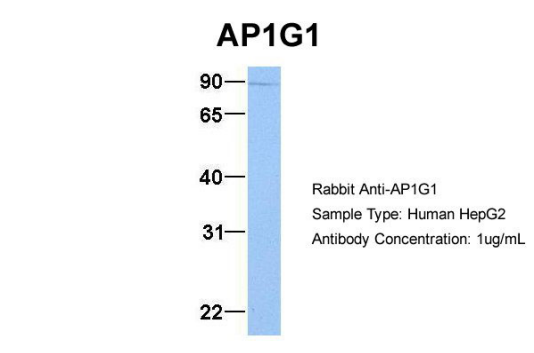
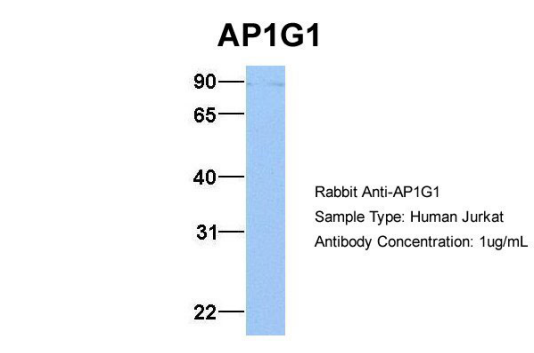


Host: Rabbit
Target Name: AP1G1
Sample Tissue: HepG2
Antibody Dilution: 1.0µg/mlAP1G1 is supported by BioGPS gene expression data to be expressed in HepG2



Host: Rabbit
Target Name: AP1G1
Sample Tissue: Jurkat
Antibody Dilution: 1.0µg/mlAP1G1 is supported by BioGPS gene expression data to be expressed in Jurkat

AP1G1 antibody - C-terminal region - References

Peyrard M.,et al.Genomics 50:275-280(1998).
Takatsu H.,et al.J. Biol. Chem. 273:24693-24700(1998).
Martin J.,et al.Nature 432:988-994(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Deneka M.,et al.EMBO J. 22:2645-2657(2003).